

WHAT IS CLAIMED IS:

1. A method of managing a communication interface between an order generating program that generates orders and an order processing program that processes orders, the method comprising:
 - monitoring at least one metric that is based on orders passing from the order generating program to the order processing program;
 - determining that the communication interface between the order generating program and the order processing program has failed based on the monitored metric;
 - and
 - restarting the communication interface between the order generating program and the order processing program based on determining that the communication interface has failed.
2. The method of Claim 1, wherein monitoring at least one metric that is based on orders passing from the order generating program to the order processing program comprises monitoring time of arrival of orders from the order generating program.
3. The method of Claim 1, wherein determining that the communication interface between the order generating program and the order processing program has failed based on the monitored metric comprises determining when a threshold time has elapsed since an order has passed from the order generating program to the order processing program.
4. The method of Claim 3, wherein the threshold time varies based on time of day.
5. The method of Claim 3, wherein the threshold time varies based on day.
6. The method of Claim 1, wherein:

monitoring at least one metric that is based on orders passing from the order generating program to the order processing program comprises generating a trend over time of elapsed time between orders passing from the order generating program to the order processing program; and

determining that the communication interface between the order generating program and the order processing program has failed based on the monitored metric comprises evaluating elapsed time since an order has passed from the order generating program to the order processing program based on the trend over time.

7. The method of Claim 1, wherein:

monitoring at least one metric that is based on orders passing from the order generating program to the order processing program comprises generating an association between time of day and elapsed time between orders passing from the order generating program to the order processing program; and

determining that the communication interface between the order generating program and the order processing program has failed based on the monitored metric comprises evaluating elapsed time since an order has passed from the order generating program to the order processing program based on at least time of day.

8. The method of Claim 7, wherein monitoring at least one metric that is based on orders passing from the order generating program to the order processing program comprises generating an association between time of day and a maximum elapsed time between orders passing from the order generating program to the order processing program.

9. The method of Claim 1, wherein restarting the communication interface between the order generating program and the order processing program based on determining that the communication interface has failed comprises:

invoking a program object that removes a proxy for the communication interface between the order generating program and the order processing program; and

invoking a program object that creates a proxy for a new communication interface between the order generating program and the order processing program.

10. The method of Claim 1, further comprising reporting when the communication interface is determined to have failed.

11. A method of managing a communication interface between at least two program objects, the method comprising;

monitoring at least one metric that is based on communication of information between at least two program objects;

determining that the communication interface between the program objects has failed based on the monitored metric; and

restarting the communication interface between the program objects based on determining that the communication interface has failed.

12. The method of Claim 11, wherein monitoring at least one metric that is based on communication of information between the at least two program objects comprises monitoring timing of communications from at least one of the program objects to the other one of the program objects.

13. The method of Claim 11, wherein determining that the communication interface between the program objects has failed based on the monitored metric comprises determining when a threshold time has elapsed since a communication has passed from one of the program objects to the other one of the program objects.

14. The method of Claim 13, wherein the threshold time varies based on time of day.

15. The method of Claim 13, wherein the threshold time varies based on day.

16. The method of Claim 11, wherein restarting the communication interface between the program objects based on determining that the communication interface has failed comprises:

removes a program proxy for the communication interface between the program objects; and

creating a program proxy for a new communication interface between the program objects.

17. A computer program product for managing a communication interface between at least two program objects, the computer program product comprising program code embodied in a computer-readable storage medium, the computer program code comprising:

program code that is configured to monitor at least one metric that is based on communication of information between at least two program objects;

program code that is configured to determine that the communication interface between the program objects has failed based on the monitored metric; and

program code that is configured to restart the communication interface between the program objects based on determining that the communication interface has failed.

18. The computer program product according to Claim 17, wherein the program code that is configured to monitor at least one metric that is based on communication of information between the at least two program objects comprises program code that is configured to monitor timing of communications from at least one of the program objects to the other one of the program objects.

19. The computer program product according to Claim 18, wherein the program code that is configured to determine that the communication interface between the program objects has failed based on the monitored metric comprises program code that is configured to determine the threshold time based on time of day.

20. The computer program product according to Claim 18, wherein the program code that is configured to determine that the communication interface between the program objects has failed based on the monitored metric comprises program code that is configured to determine the threshold time based on day.

21. The computer program product according to Claim 17, wherein the program code that is configured to restart the communication interface between the program objects based on determining that the communication interface has failed comprises program code that is configured to remove a program proxy for the communication interface between the program objects, and program code that is configured to creating a program proxy for a new communication interface between the program objects.